ABSTRACT OF THE DISCLOSURE

[0058]   A pipelined reorder engine reorders data items received over a network on a per-source basis. Context memories correspond to each of the possible sources. The pipeline includes a plurality of pipeline stages that together simultaneously operate on the data items. The context memories are operatively coupled to the pipeline stages and store information relating to a state of reordering for each of the sources. The pipeline stages read from and update the context memories based on the source of the data item being processed.